Prologue

We believe that our loved Hobby „Diving" with the Buddy- Watcher® is a lot safer. Too many diving accidents are being broadcasted and most of them happened because the communication between the diving partners broke down.

⚠ **WARNING: The Buddy-Watcher® does not prevent accidents.** It also does not relieve the diver of the **responsibility** for their **dive partners** according to the generally known Safety Standards.

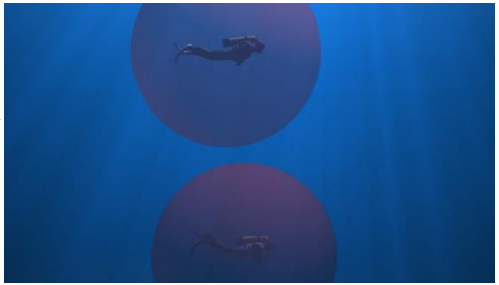
Buddy-Watcher® is a supporting Assistence System for Diving. It ensures the continuous contact between the Buddy Team. It is easily fixed to the arm or wrist and is intuitively operable. The Buddy- Watcher is the fastest and simplest method to call your own Buddy under water from a distance of up to 20 Meters.

Buddy-Watcher® is the only communication device that calls or vibrates only for the relevant Dive Buddy and with that ensures a much more relaxed and comfortable experience under water.

WARNING! For your own safety, please read all instructions in this manual and guides provided for the Buddy- Watcher® completely and carefully.

Dive

Diver calls Buddy



Diver communicate

Content

1. Box Contents
2. Warnings
3. Signals
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5. Signals
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7. Functions
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9. Intellectual Property
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1. Assembly and Box Contents

1: Ultra Sound Sensor

2: Functions Button

3: Call Button

4: Battery Charge Indicator

5: Display with Distance Indicator

6: Arm/Wrist Band

7: Charging Port & Water Contact

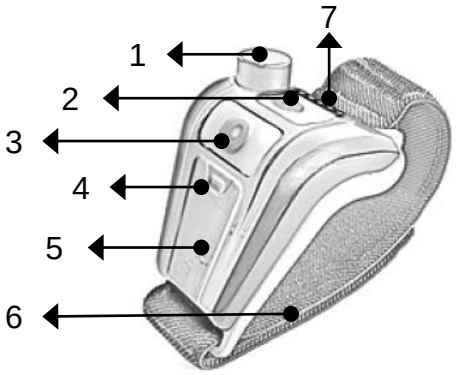
8: UCS Port Charging Adapter

9: UCS Port Charging Cable

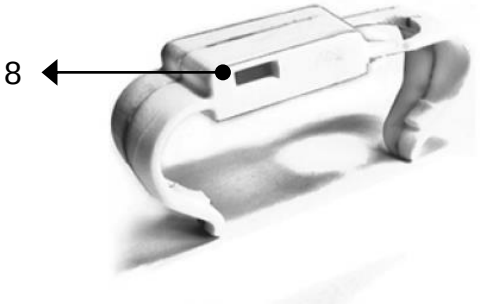
10: USB Port Charging Cable

11: Short Manual

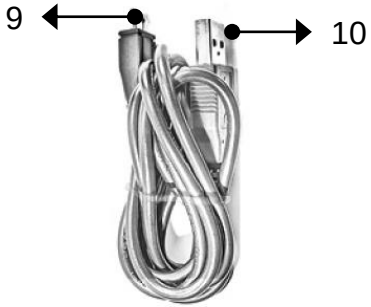
Buddy-Watcher®



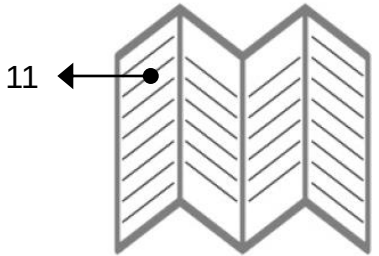
Charging-Adapter



Charging Cable



Quick-Manual
(Manual online Download)



2. Warnings!

SAFETY INSTRUCTIONS

The main danger using the Buddy-Watcher® is the exaggerated trust in the functions of this product. As an electronic system sudden and unexpected malfunctions related to components, battery or software errors may occur.

This is a device based on acoustics and it can be circumstantially fault out due to a changing (acoustic) environment.

Please take note of the following **Warnings** for the Buddy-Watcher®:

- Use the Buddy-Watcher® only according to this Manual!
- **Never dive alone.**
- The Buddy-Watcher® does not relieve you of your **Responsibility** for your **Dive Buddy** according to the generally known Safety Standards.
- Buddy-Watcher® is no **personal Safety** Equipment.
- The device has been designed to a **depth of maximum 40 Meters** and may only be used in salt or fresh water.
- The Buddy-Watcher® may only be used by professionally **trained Divers** and does not replace professional schooling for Divers.
- **Under no circumstances** does the Buddy-Watcher® relieve the Divers of the use of a proper **Buddy-Line**, where it would be necessary according to the general Safety Standards, such as for diving under ice etc.
- The Buddy-Watcher® was designed for the useunder water and for the sport of diving!
- Using the Buddy-Watcher® in **Swimming Pools**, Caves or similar highly reflecti ve diving areas may **interrupt communication**!
- **Communication** may be **influenced or interrupted** by **walls and/or rocks and/or obstacles and barriers.**
- After use the Buddy-Watcher® should be thoroughly cleaned with **fresh water** only – do not use **cleaning detergents**!
- Do not use **parts and/or components** which are not authorized, recommended or coming from the **original manufacturer** themselves!

BESONDERE SICHERHEITSHINWEISE

Do not charge the Buddy-Watcher® in the blazing sun (danger of explosion)!

Do not throw the the Buddy-Watcher® into open flames (danger of explosion)!

Prior to Charging the Buddy-Watcher® and Adapters should be dry and clean!

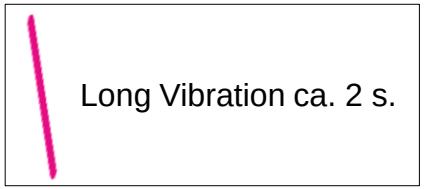
The Buddy-Watcher® may influence compasses and change directions.

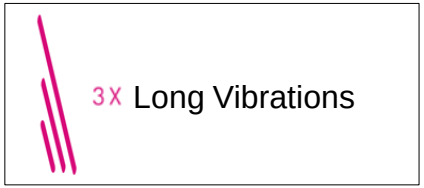
The Buddy-Watcher® may lead to signal errors and/or failures in other devices.

Batteries are not to be disposed off in normal household waste. By law Batteries should be professionally disposed. Batteries may be returned to the store or place of purchase after use and/ or being brought to special collection services in stores and the post office at no extra costs.

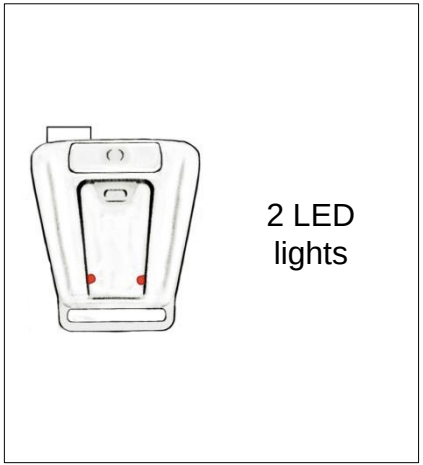
3. Signals

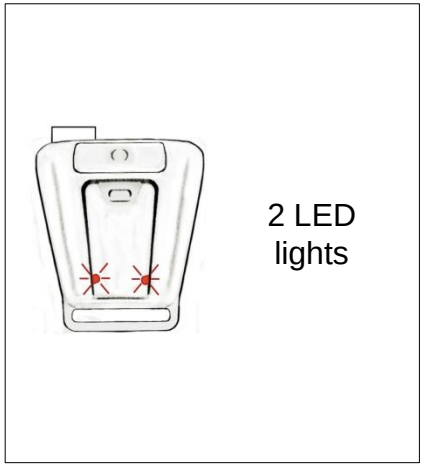
Beispiele Vibrationssignale:

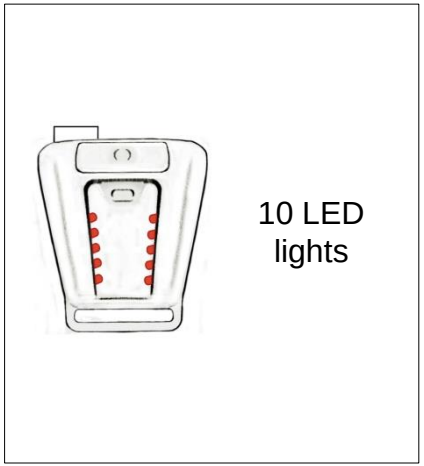


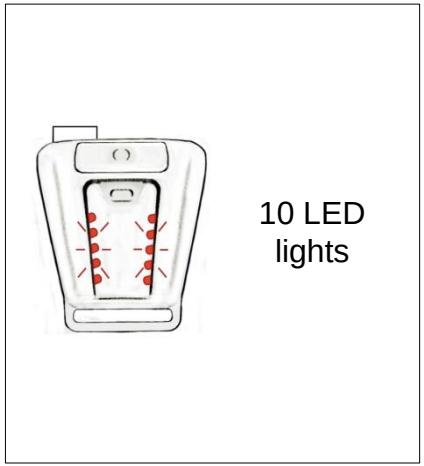


Beispiele LED Signale:









4. Prior Use

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⚠ **ATTENTION - Water and Electricity should not ever touch each other.** Please ensure that all device components are dry during charging!

Prior to first **use** the Buddy-Watcher® should be **charged.**

- Use the standard Charging-Adapter (Pic. 1).
- The Charging-Adapter should be placed onto the Buddy-Watcher®. Please make sure that the round opening sits above the sensor.

The flexible Charging-Adapter will engage and latch on (Pic. 2).

Charging:

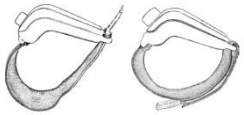
- Connect the standard Charging-Adapter and the USB-Cable to a Charging Station (Pic. 3).
- Alternatively the Buddy-Watcher® may be connected to a PC or charged in the car.

Charging Process:

- As soon as the **Battery** Light in the **Display** comes on the **LEDs will light up** (Pic. 4).
- The Charging Process is finished when all three LEDs are on. Loading time ca. 4 hrs.
- With a fully loaded battery the Buddy-Watcher should last for up to 6 general dives.

⚠ **WARNING**: Low Temperatures may reduce the battery power to up to 70%. Frequent charging of The battery is **beneficial**, this is why the Buddy-Watcher will discharge to 40 % power, which makes the Buddy-Watcher inoperable and **will have to be recharged latest after 4 days**!

5. Startup Instructions

1


2

3

4

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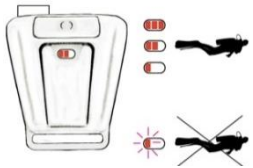


⚠TENTION – Disconnect your device from any power source prior to use!

How to attach Buddy-Watcher®:
- Pull the Arm Band through the loop (Pic. 1).
- Put your Hand through.
- Pull the Buddy-Watcher® with the Arm Band until tight and fasten it with the velcro fastener.

Turn on Buddy-Watcher®:
- Press the large Calling Button for 2 seconds to turn on the Buddy-Watcher®.

Reset and Turning off:
- The Reset Button shuts down the Buddy-Watcher ® and turns it off.
- Press the Calling Button and the Functions Button both at the same time for 5 seconds (Pic 5).

Functions-Check:
- Device is turned on when all LED are lit up and a short Vibration confirms it being on (Abb. 3).
- After 3 seconds only the battery light stays on. This is the Start Mode.

Check Battery Charge:
- If all 3 LEDs stay on continuously, you may dive (Pic. 4).
- If the left 2 LED stay on continuously, you may dive.
- If the first left LED stays on continuously - max. 1 dive is advised – Charging is recommended.
- If the left LED is **blinking**, the battery needs **recharging** and the Buddy-Watcher® should be charged.

6. Functions

The Buddy-Watcher® only functions within the System, i.e. prior to diving two Buddy-Watcher® have to be synchronized with each other.

①

Coupling/Synchonization: may be done in or outside of the water. Outside of the water **reaction times** may be **delayed**.

- Hold the Buddy-Watcher® in such a way, that both sides of the sensors are facing each other (Pic.1).
- The coupling function is only possible within immediate proximity (max. 15 cm).
- Please make sure, that no other Buddy-Watchers® are located within 1 m.

②

Buddy-Watcher - initializing Coupling

- Press the Function Button (Pic.2) on your Buddy-Watcher® for at least 3 seconds. This will establish this Buddy-Watcher as the Master device. The LEDs on this Master device will start to blink. As soon as on the Slave device (Pic.3) all 10 LEDs start blinking, the Slave Buddy-Watcher must confirm the coupling with the Function Button for ca. 2 seconds.
- The coupling process is finished, when both Buddy-Watchers® confirm this with a short vibration and only the battery lights are on.
- If no Vibration can be felt – please repeat Coupling/Synchronization process.

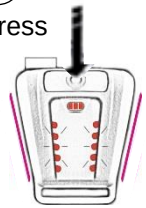
③

⚠ If no coupling took place, the Buddy-Watcher® will remind the diver after 5 Min with one short vibration, to repeat the coupling/synchronization process. This can be done under water the same way as described above.

6. Functions

4

Press



Signal

5

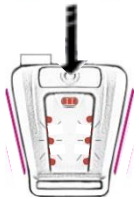
Press

6

Press for 3 seconds

7

Press



Buddy Calling:

- Press Calling Button once (Pic.4) to send the signal.
- A short Vibration and 10 blinking LEDs confirm the call.
- The Buddy feels the vibration (3 x long) and the left and right LEDs will blink alternating.
- A second Calling is possible after 30 seconds.
- The Calling Function only works within 20 Meters distance under water.

Master Calling:

- Press the Function Button (Pic.2) on your Buddy-Watcher®.
- Einmal die Funktions-Taste (Abb.5) drücken, um Signal beim Mastergerät auszulösen.
- **IMPORTANT** an coupling / synchonization with the master device is not needed

Turn on Master Function

- Turn on Buddy-Watcher®, like described in Point **5. Startup Instructions**
- After 2 seconds press again the Calling Button for 3 seconds to turn on the Master Function.
- A short vibration confirm the Master Function. A synchronization with other Buddy-Watcher is not necessary.

Call Buddy-Teams

- Press Calling Button once (Pic.7) to send the signal to the Buddy-Teams.
- A short Vibration and 6 / 4 blinking LEDs confirm the call.

7. Maintenance and Service

Cleaning:

- The Buddy-Watcher® should be washed after every use with fresh water.
- Do not use detergents or chemicals.
- Make sure all components – including the arm band – are completely dry before storage.

Replacement Parts:

- In cases of damage the components such as Arm Band, Charging-Adapter, Charging Cable etc. may be ordered on http://shop.buddy-watcher.de/.
- Changing the battery should only be done by the manufacturer Free-Linked GmbH.

Repairs:

⚠ **WARNING:** Opening the Buddy-Watcher® will destroy the device. This will void all warranties and liabilities.

- Repairs should always be done by the manufacturer Free-Linked GmbH.

Warranty

The company Free-Linked GmbH will guarantee the product Buddy-Watcher® for two years from date of purchase according to the sales receipt in case of material and manufactural faults. Wear and tear on components such as Arm Bands are excluded from this warranty. The warranty will cover repairs or replacements of components free of charge. The Warranty is only valid in the following cases:

- The Warranty only applies to first time buyers.
- The Warranty cannot be transfered.
- The Warranty only covers material and/or manufacturing faults.
- The device was used and handled appropriately according to the guidelines pro vided.
- The Warranty and any liability is null and void in cases of misuse, neglect, damages or unauthorized repair attempts

8. Intellectual Property

Buddy-Watcher®:

The Brand Buddy-Watcher® is under copyright in all of Europe under No.: 009733494.

The Buddy-Watcher® has been patented under: 10 2012 100 679.2.

User Manual:

The User Manual is the intellectual property of the Free-Linked GmbH and under copyright. Online User Manuals as a whole or parts of it may not be copied, reproduced and/or distributed without any consent of the Free-Linked GmbH.

9. Technical Data

Technische Daten

Display:	LED (rot, 13)
Eingang Ladegerät:	100 - 240 Vac / 0,2 A / 50-60 Hz
Ausgang Ladegerät:	5 Vdc / 850 mA
Akku: Li-Ion;	3,7 V / 900 mAh - durch Verbraucher nicht wechselbar
Maximale Ladedauer:	4 h
Einsatzdauer nach Vollladung:	max. 6h; die tatsächliche Einsatzdauer ist abhängig von der Temperatur und Nutzungsalter.
Lagertemperatur:	ca.20 °C
Einsatztemperatur:	0 °C - +50 °C
Maximale Einsatztiefe:	40 m
Messgenauigkeit:	+/- 0,5m
Maximale Reichweite unter Wasser:	20 m
Messintervall:	0,8 s
Übertragungstechnik:	Ultraschall (60-70 kHz)
Abmessungen (ohne Armband):	3,6 cm x 7,2 cm x 8,5 cm
Gewicht:	102 g